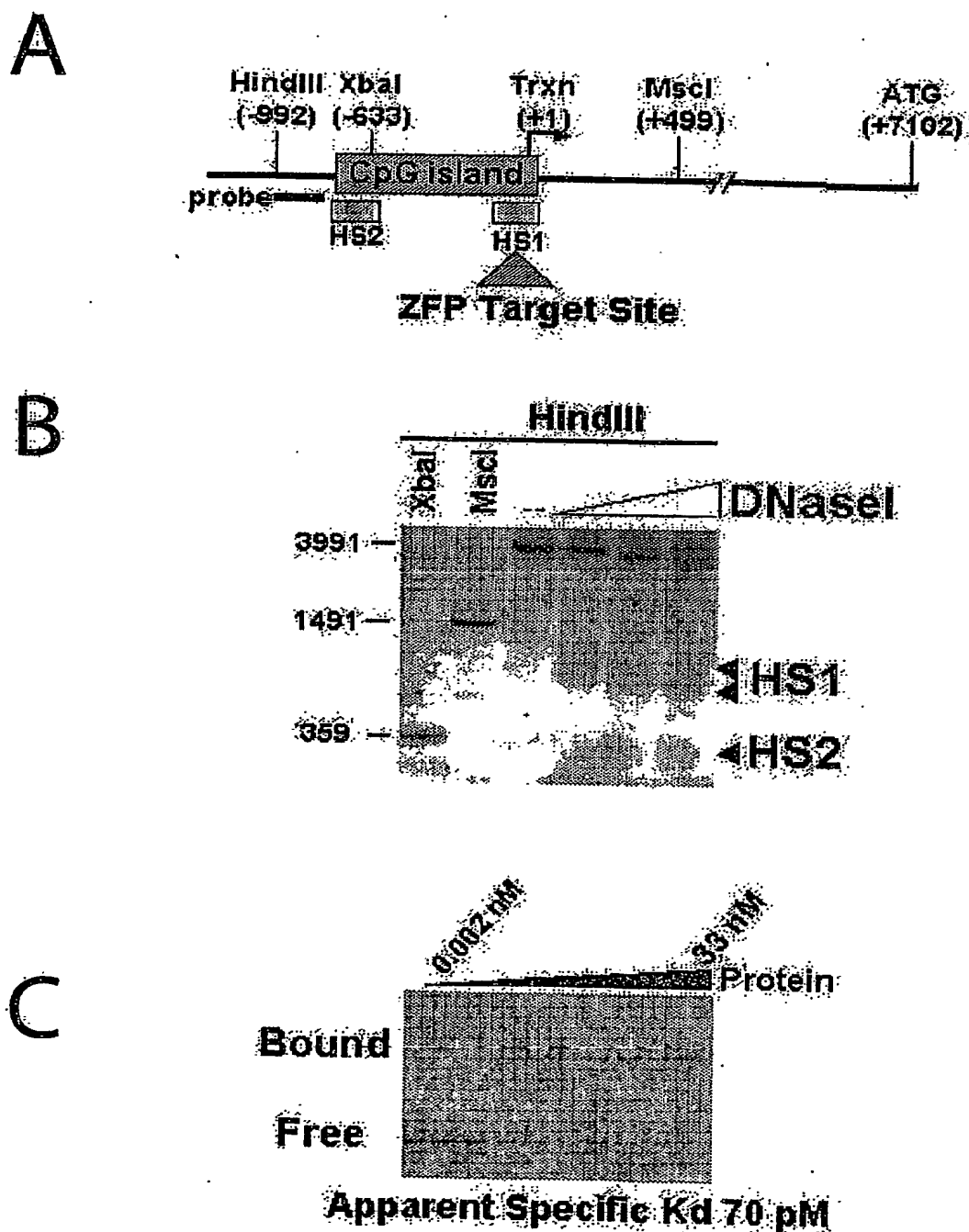


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Fig. 1

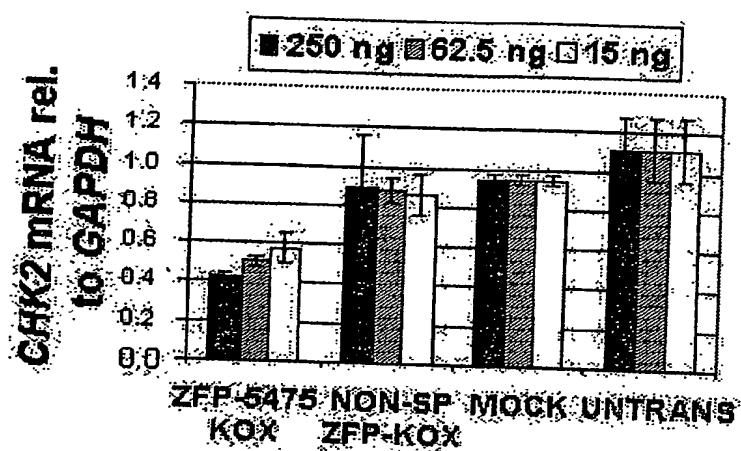


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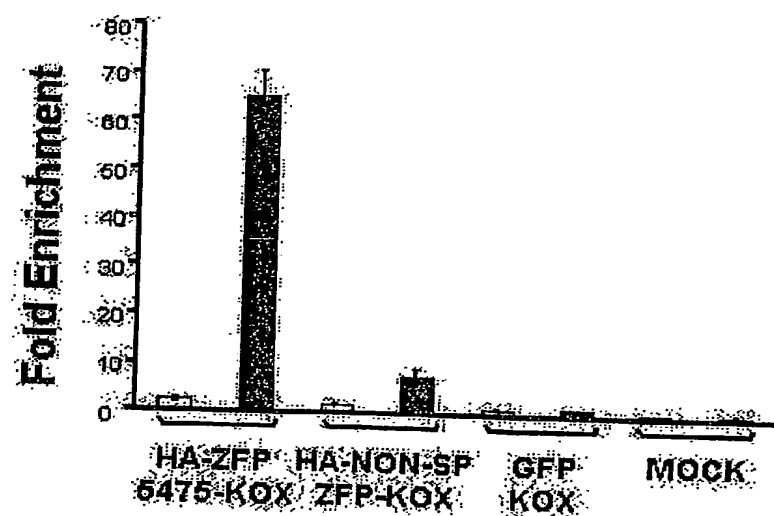
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Fig. 2

A

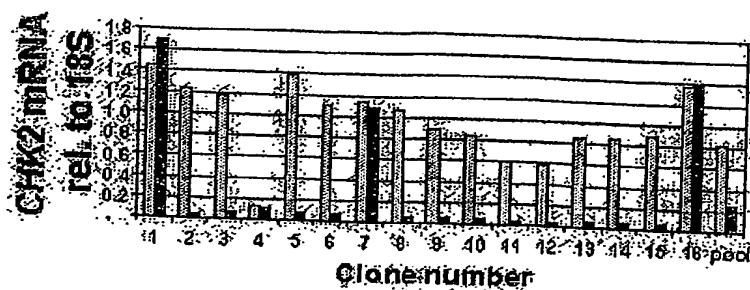


B

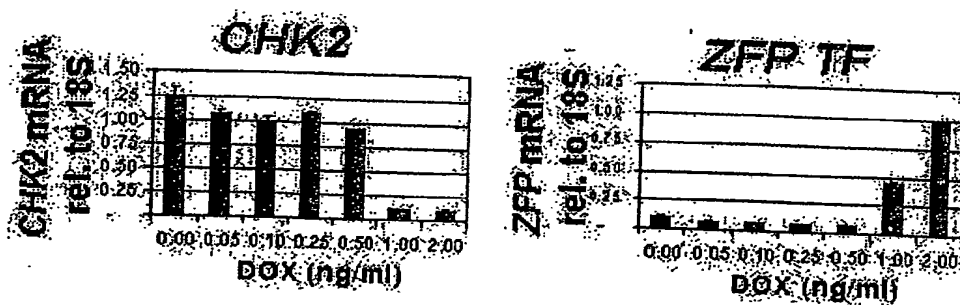


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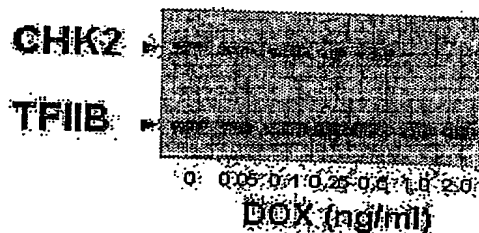
A



B



C



D

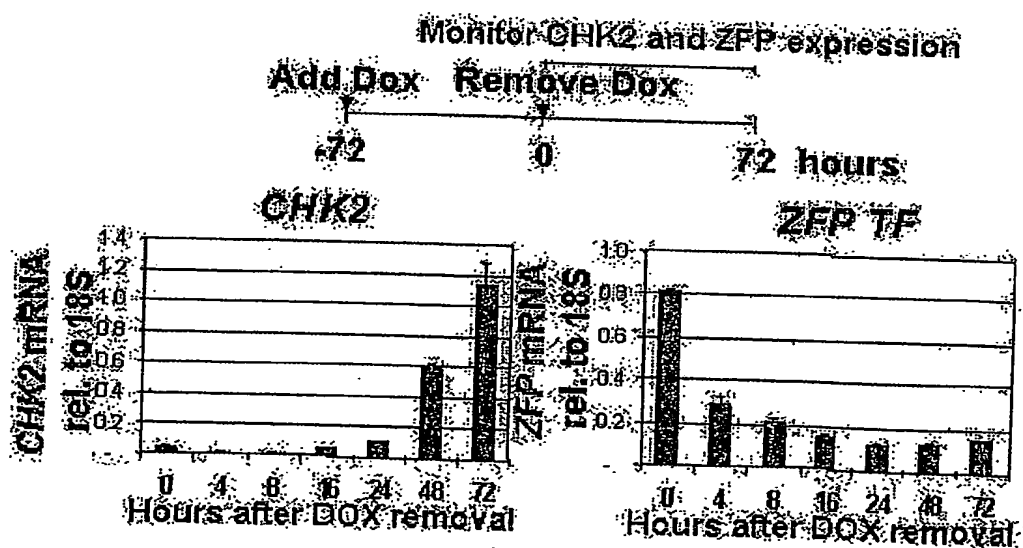
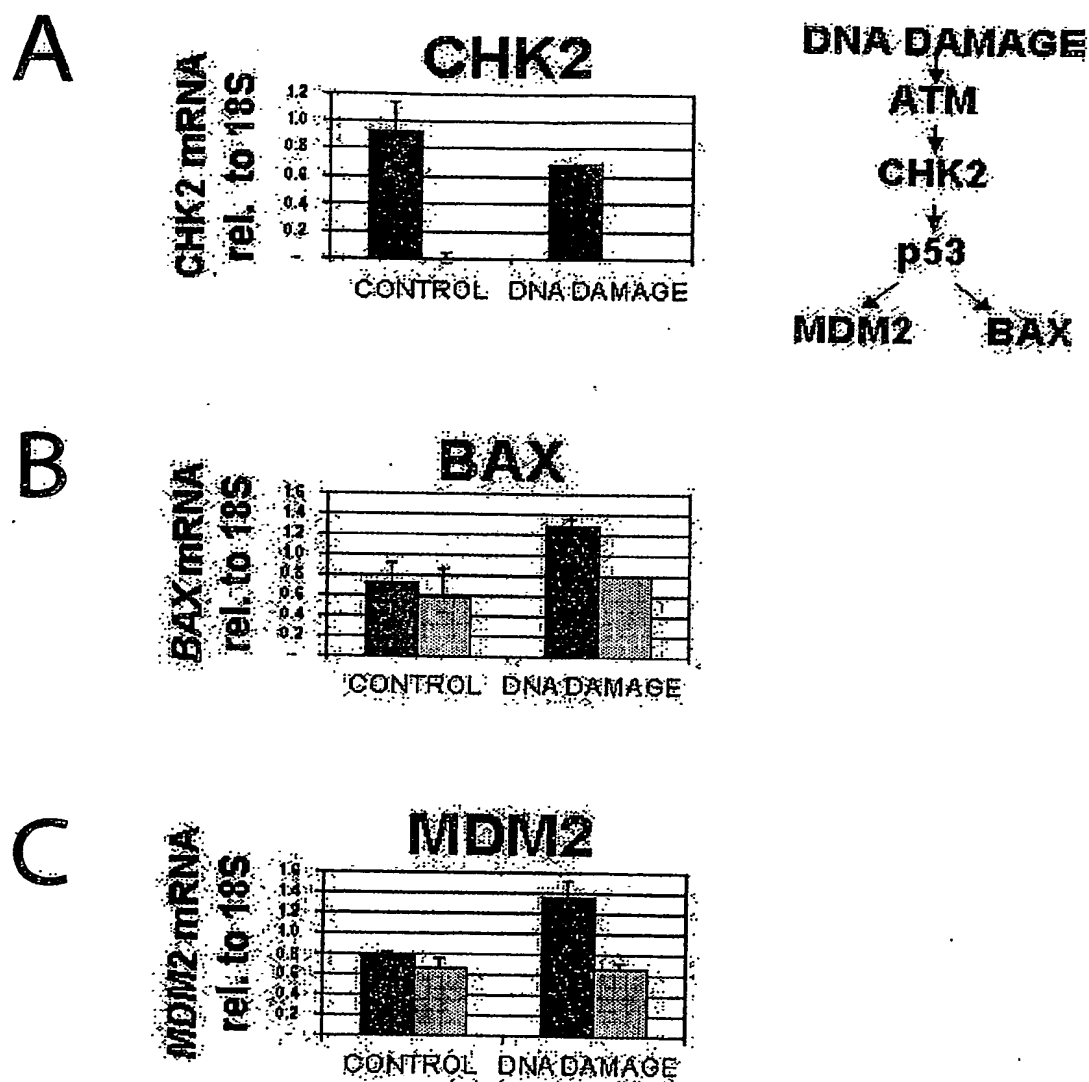


Fig. 3

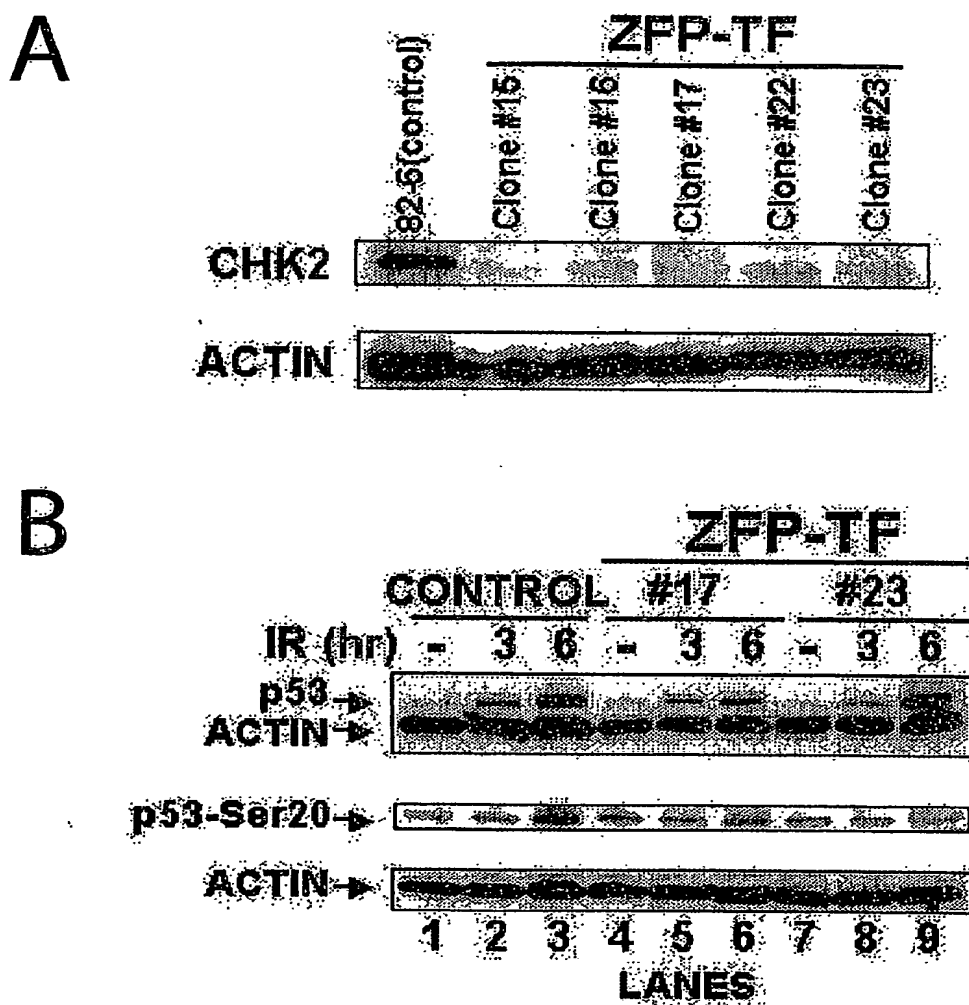
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Fig. 4



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Fig. 5



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FIGURE 6

MAERPFQCRICMRNFSRSDHLSRHIRTHTGEKPFACDICGRKFADNRDRTKHT
KIHTGGQRPYACPVESCDRRFSDRKTLEHIRIHTGQKPFQCRICMRNFSTSSG
LSRHIRTHTGSQKPFQCRICMRNFSRSDHLSRHIRTHTGEKPFACDICGRKFAT
SSDRTKHTKIHLRQKDAARN

SEQ ID NO: 27

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FIGURE 7

MAERPYPVESCDDRRFSTSADLTEHIRIHTGQKPFQCRICMRNFSSANLSRHIRTHTGGERPF
QCRICMRNFSRSDALSTHIRTHTGEKPFACDICGRKFADRSTRKHTKIHTGSQKPFQCRICMRN
FSRSDVLSAHIRTHTGEKPFACDICGKKFADRSNRIKHTKIHLRQKDAAR

(SEQ ID NO: 53)

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FIG. 8

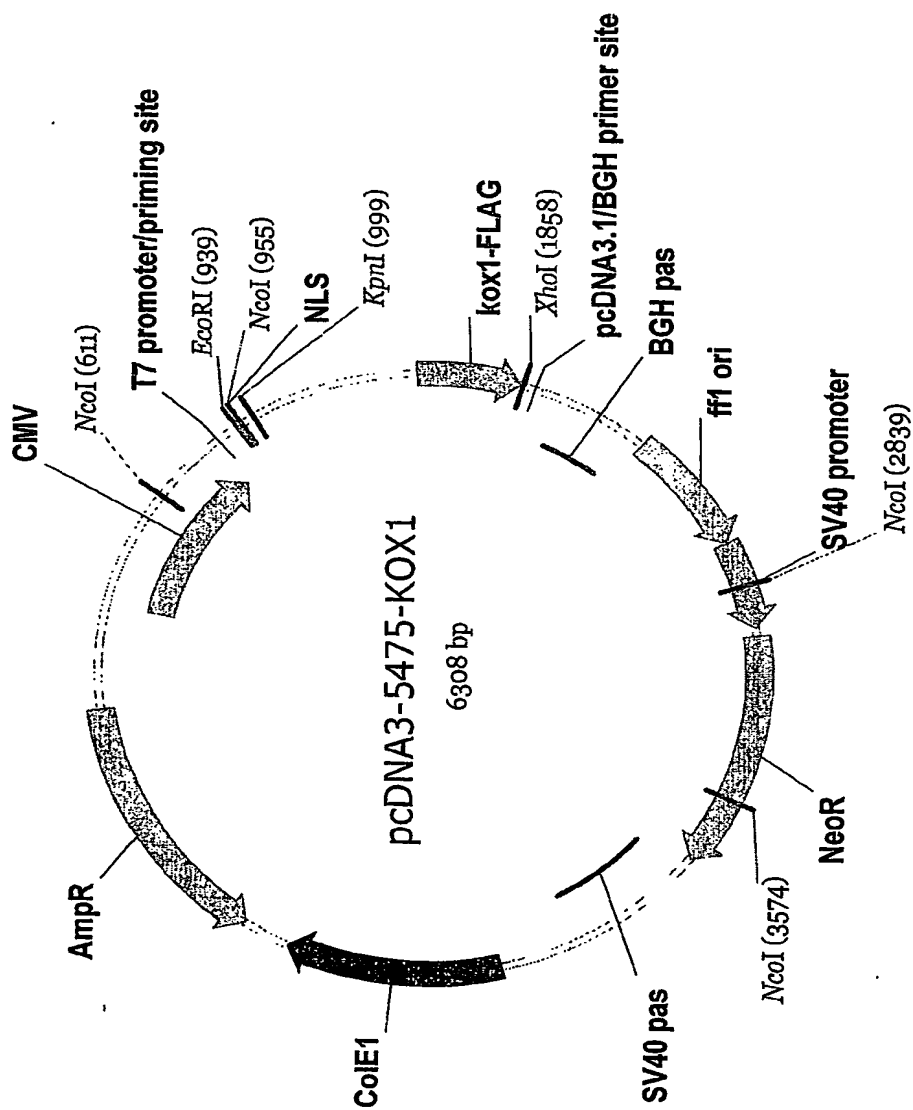


FIG. 9A

[illegible]

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FIG.9B

911 AAGCTGATCC ACTAGTCCAG TGTGGTGGAA TTCGCTAGCG CCACCATGGC CCCCAGAAG AAGAGGAAGG
 TTCCAGTAGG TGATCAGGTC ACACCACCTT AAGCGATCGG GGTGGTACCG GGGGTCTTTC TTCTCCTTCC
 KpnI
     ~~~~~  
 981 . G I D G V P F Q C R I C M R N F S R S D H L S .  
 TGGGAATCGA TGGGGTACCC TTCCAGTGTC GAATCTGCAT GCGTAACTTC AGTCGTAGTG ACCACCTGAG  
 ACCCTTAGCT ACCCCATGGG AAGGTCACAG CTTAGACGTA CGCATTTGAAG TCAGCATCAC TGGTGGACTC  
 . R H I R T H T G E K P F A C D I C G R K F A D  
 1051 CCGGCACATC CGCACCCACA CAGGCGAGAA GCCTTTTGCC TGTGACATTT GTGGGAGGAA ATTTGCCGAC  
 GGCGTGTAG GCGTGGGTGT GTCCGCTCTT CGGAAAACGG AACTGTAAA CACCCTCCTT TAAACGGCTG  
 N R D R T K H T K I H T G G Q R P Y A C P V E S .  
 1121 AACCGGACC GCACAAAGCA TACCAAGATA CACACGGGCG GACAGCGGCC GTACGCATGC CCTGTGAGT  
 TTGGCCCTGG CGTGTTCGT ATGGTTCTAT GTGTGCCCCG CTGTGCCCCG CATGCGTACG GGACAGCTCA  
 . C D R R F S D R K T L I E H I R I H T G Q K P .  
 1191 CCTGCGATCG CCGCTTTTCT GACAGGAAGA CACTTATCGA GCATATCCG ATCCACACCG GTCAGAAGCC  
 GGACGCTAGC GCGGAAAAGA CTGTCTTCT GTGAATAGCT CGTATAGGCG TAGGTGTGGC CAGTCTTCGG  
 . F Q C R I C M R N F S T S S G L S R H I R T H  
 1261 CTTCCAGTGT CGAATCTGCA TCGGTAACCT CAGTACCAGC AGCGGGCTGA GCGGCCACAT CCGCACCCAC  
 GAAGGTCACA GCTTAGACGT ACGCATTGAA GTCATGGTGC TCGCCCGACT CGGCGGTGTA GCGGTGGTG  
 T G S Q K P F Q C R I C M R N F S R S D H L S E .  
 1331 ACAGGATCTC AGAAGCCCTT CCAGTGTGCA ATCTGCATGC GTAACTTCAG TCGTAGTGAC CACCTGAGCG  
 TGTCTAGAG TCTTCGGGAA GGTACAGCT TAGACGTACG CATTGAAGTC AGCATCACATG GTGGACTCGC  
 . H I R T H T G E K P F A C D I C G R K F A T S .  
 1401 AACACATTG CACCCACACA GCGGAGAAGC CTTTTCCTG TGACATTTGT GGGAGGAAAT TTGCCACCAG  
 TTGTGTAAGC GTGGGTGTGT CCGCTCTTCG GAAAACGGAC ACTGTAAACA CCTCTCTTA AACGGTGGTC  
 . S D R T K H T K I H L R Q K D A A R G S G M D  
 1471 CAGCGACCGC ACAAGCATA CCAAGATACA CTGCGCCCAA AAAGATCGG CCGGGGGATC CGGCATGGAT  
 GTCGCTGGCG TGTTCGTAT GGTTCATGT GGACGCGGTT TTTTACGCG GGGCCCTAG GCCGTACCTA  
 A K S L T A W S R T L V T F K D V F V D F T R E .  
 1541 GCTAAGTCAC TAACTGCCCTG GTCCGGACA CTGGTGACCT TCAAGGATGT ATTTGTGGAC TTCACCAGG  
 CGATTCACTG ATTGACGGAC CAGGSCCTGT GACCACTGGA AGTTCCTACA TAAACACCTG AAGTGGTCCC

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## FIG.9C

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      . E W K L L D T A Q Q I V Y R N V M L E N Y K N
1611 AGGAGTGGAA GCTGCTGGAC ACTGCTCAGC AGATCGTGTA CAGAAATGTG ATGCTGGAGA ACTATAAGAA
      TCCTCACCTT CGACGACCTG TGACGAGTCG TCTAGCACAT GTCCTTACAC TACGACCTCT TGATATCTT
      . L V S L G Y Q L T K P D V I L R L E K G E E P
1681 CCTGGTTTCC TTGGGTTATC AGCTTACTAA GCCAGATGTG ATCCTCCGGT TGGAGAAGGG AGAAGAGCCC
      GGACCAAGG AACCCAATAG TCGAATGATT CGGTCTACAC TAGGAGGCCA ACCTCTTCCC TCTTCTCGGG
      W L V E R E I H Q E T H P D S E T A F E I K S S
1751 TGGCTGGTGG AGAGAGAAAT TCACCAAGAG ACCATCCTG ATTCAGAGAC TGCATTGAA ATCAAATCAT
      ACCGACCACC TCTCTCTTTA AGTGGTTCTC TGGGTAGGAC TAAGTCTCTG ACGTAAACTT TAGTTTAGTA
      XhoI
      ~~~~~
 . V D Y K D D D D K *
1821 CAGTTGACTA CAAGGACGAC GATGACAAGT AAGCTTCTCG AGTCTAGCTA GAGGGCCCGT TTAAACCCGC
 GTCAACTGAT GTTCCTGCTG CTA CTGTTCA TTCGAAGAGC TCAGATCGAT CTCCCGGGCA AATTGGGCG
1891 TGATCAGCCT CGACTGTGCC TTCTAGTTGC CAGCCATCTG TTGTTTGCCC CTCCCCCGTG CCTTCCTTGA
 ACTAGTCGGA GCTGACACGG AAGATCAACG GTCGGTAGAC AACAAACGGG GAGGGGGCAC GGAAGGAACT
1961 CCCTGGAAGG TGCCACTCCC ACTGTCTTTT CCTAATAAAA TGAGGAAATT GCATCGCATT GTCTGAGTAG
 GGGACCTTCC ACGGTGAGGG TGACAGGAAA GGATTATTTT ACTCCTTTAA CGTAGCGTAA CAGACTCATC
2031 GTGTCATTCT ATTCTGGGG GTGGGTGGG GCAGGACAGC AAGGGGAGG ATTGGGAAGA CAATAGCAGG
 CACAGTAAGA TAAGACCCC CACCCACCC CGTCTGTG TCCCCCTCC TAACCTTCT GTTATCGTCC
2101 CATGCTGGG ATGCGGTGG CTCTATGGCT TCTGAGGCGG AAAGAACCAG CTGGGGCTCT AGGGGGTATC
 GTACGACCCC TACGCCACCC GAGATACCGA AGACTCGCC TTTCCTTGGTC GACCCCGAGA TCCCCCATAG
2171 CCCACGGCC CTGTAGCGGC GCATTAGCG CGGCGGGTGT GGTGGTTACG CGCAGCGTGA CCGCTACACT
 GGTGCGCGG GACATCGCG CGTAATTGCG GCCGCCACA CCACCAATGC GCGTCGCACT GCGGATGTGA
2241 TGCCAGCGCC CTAGCGCCCG CTCCTTTTCG TTTCCTTCCC TCCTTTCG CCACGTTCGC CGGCTTTC
 ACGGTCGCGG GATCGCGGC GAGGAAAGCG AAAGAAGGAG AGGAAAGAGC GGTGCAAGCG GCCGAAAGGG
2311 CGTCAAGCTC TAAATCGGG CATCCCTTTA GGGTTCCGAT TTAGTGCTTT ACGGCACCTC GACCCCAAAA
 GCAGTTCGAG ATTTAGCCCC GTAGGGAAT CCCAAGGCTA AATCAGCAA TGCCGTGGAG CTGGGGTTTT
2381 AACTTGATTA GGTGATGGT TCACGTAGTG GGCCATCGCC CTGATAGACG GTTTTTCGCC CTTTGACGTT
 TTGAACATAAT CCCACTACCA AGTGCATCAC CCGGTAGCGG GACTATCTGC CAAAAGCGG GAAACTGCAA
2451 GGAGTCCACG TTCTTTAATA GTGGACTCTT GTTCCAAACT GGAACAACAC TCACCCCTAT CTCGGTCTAT

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## FIG. 9D

2521 CCTCAGGTGC AAGAAATTAT CACCTGAGAA CAAGGTTTGA CCTTGTTGTG AGTTGGGATA GAGCCAGATA  
 TCTTTTGATT TATAAGGAT TTTGGGGATT TCGGCCTATT GGTAAAAAAA TGAGCTGATT TAACAAAAAT  
 2591 AGAAAACTAA ATATTCCCTA AAACCCCTAA AGCCGGATAA CCAATTTTTT ACTCGACTAA ATTGTTTTTA  
 TTAACGCGAA TTAATTCTGT GGAATGTGTG TCAGTTAGG TGTGAAAGT CCCAGGCTC CCCAGGCAGG  
 AATTGCGCTT AATTAGACA CCTTACACAC AGTCAATCCC ACACCTTTCA GGGTCCGAG GGTCCGTCC  
 2661 CAGAAGTATG CAAAGCATGC ATCTCAATTA GTCAGCAACC AGGTGTGGAA AGTCCCCAGG CTCCCCAGCA  
 GTCTTCATAC GTTTCGTACG TAGAGTTAAT CAGTCGTGG TCCACACCTT TCAGGGGTCC GAGGGGTCTG  
 2731 GGCAGAAAGTA TGCAAAGCAT GCATCTCAAT TAGTCAGCAA CCATAGTCCC GCCCCCTAACT CCGCCCCATCC  
 CCGTCTTCAT ACGTTTCGTA CGTAGAGTTA ATCAGTCGTT GGTATCAGGG CGGGGATTGA GCGGGGTAGG  
 NcoI  
 ~~~~~~  
 2801 CGCCCCTAAC TCGCCCCAGT TCGCCCCATT CTCCGCCCCA TGGCTGACTA ATTTTTTTTA TTTATGCAGA  
 GCGGGGATTG AGCGGGGTCA AGCGGGGTAA GAGCGGGGT ACCGACTGAT TAAAAAAAT AAATACGTCT  
 2871 GGCCGAGGCC GCCTCTGCCT CTGAGCTATT CCAGAAAGTAG TGAGGAGGCT TTTTGGAGG CCTAGGCTTT  
 CCGGCTCCGG CGGAGACGGA GACTCGATAA GGTCTTCATC ACTCTCCGA AAAACCTCC GGATCCGAAA  
 2941 TGCAAAAAGC TCCCGGGAGC TTGTATATCC ATTTTCGGAT CTGATCAAGA GACAGGATGA GGATCGTTTC  
 ACGTTTTTCG AGGGCCCTCG AACATATAGG TAAAAGCCTA GACTAGTTCT CTGTCTACT CCTAGCAAAG  
 3011 GCATGATTGA ACAAGATGGA TTGCACGCAG GTTCTCCGGC CGCTTGGGTG GAGAGGCTAT TCGGCTATGA  
 CGTACTAACT TGTCTACCT AACGTGCGTC CAAGAGGCG GCGAACCCAC CTCTCCGATA AGCCGATACT  
 3081 CTGGGCACAA CAGACAATCG GCTGCTCTGA TGCCGCCGTG TTCCGGCTGT CAGCGCAGG GCGCCCGGTT  
 GACCCGTGTT GTCTGTTAGC CGACGAGACT ACGCGGCAC AAGGCCGACA GTCGCGTCCC CGCGGGCCAA  
 3151 CTTTTTGTCA AGACCGACCT GTCCGGTGCC CTGATGAGAC TGCAAGCGG GGCAGCGCG CTATCGTGGC  
 GAAAAACAGT TCTGGCTGGA CAGGCCACGG GACTTACTTG ACGTCCGTCT CCGTCCGCC GATAGCACCG  
 3221 TGGCCACGAC GGGCGTTCCT TGCGCAGCTG TGCTCGACGT TGTCACGTGA GCGGAAAGG ACTGGCTGCT  
 ACCGTTGCTG CCGCAAGGA ACGGTCGAC ACGAGCTGCA ACAGTGACTT CCGCTTCCC TGACCGACGA  
 3291 ATTGGGCGAA GTGCCGGGC AGGATCTCCT GTCATCTAC CTTGCTCCTG CCGAGAAAGT ATCCATCATG  
 TAACCCGCTT CACGGCCCCG TCCTAGAGGA CAGTAGAGTG GATCCGGCTA CCGTCTTTCA TAGGTAGTAC  
 3361 GCTGATGCAA TGCGGCGGCT GCATACGCTT GATCCGGCTA CCGTCCCATT CGACACCAA CCGAAACATC  
 CGACTACGTT ACGCCGCCGA CGTATGCGAA CTAGGCCGAT GGACGGGTAA GCTGGTGGTT CGCTTTGTAG  
 3431 GCATCGAGCG AGCAGTACT CCGATGGAAG CCGTCTTGT CGATCAGGAT GATCTGGACG AAGAGCATCA  
 CGTAGCTCGC TCGTGCAATGA GCCTACCTTC GGECAGAAAC GCTAGTCCCTA CTAGACCTGC TTCTCGTAGT

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FIG.9E

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3501 GGGGCTCGCG CCAGCCGAAC TGTTGCCAG GCTCAAGCG CGCATGCCCG TGCCGCTCCT AGAGCAGCAC
 CCCCAGCGC GGTGGGCTTG ACAAGCGGTC CGAGTCCGC GCGTACGGG
 NcoI
      ~~~~~
3571 ACCCATGGCG ATGCTGTCTT GCCGAATATC ATGGTGAAA ATGGCCGCTT TTCTGGATT ATCGACTGTG
      TGGGTACCGC TACGGACGAA CGGCTTATAG TACCACCTTT TACCGCGAA AAGACCTAAG TAGCTGACAC
3641 GCCGGCTGGG TGTGGCGGAC CGCTATCAGG ACATAGCGTT GGCTACCCGT GATATTGCTG AAGAGCTTGG
      CGGCCGACCC ACACCGCCTG GCGATAGTCC TGTATCGCAA CCGATGGGCA CTATAACGAC TTCTCGAACC
3711 CGGCGAATGG GCTGACCGCT TCCTCGTGCT TTACGGTATC GCCGCTCCG ATTGCAGCG CATCGCCTTC
      GCCGCTTACC CGACTGGCGA AGGAGCACGA AATGCCATAG CGGCGAGGC TAAGCGTCG GTAGCGGAAG
3781 TATCGCCTTC TTGACGAGTT CTCTGAGCG GACTCTGGG GTTCGAAATG ACCGACCAAG CGACGCCAA
      ATAGCGGAAG AACTGCTCAA GAAGACTCGC CTTGAGACCC CAAGCTTTAC TGGCTGGTTC GCTGCGGTT
3851 CCTGCCATCA CGAGATTTCG ATTCCACCGC CGCCTTCTAT GAAAGGTTGG GCTTCGGAAT CGTTTCCGG
      GGACGGTAGT GCTCTAAGC TAAGTGCGG GCGGAAGATA CTTTCCAACC CGAAGCCTTA GCAAAGGCC
3921 GACGCCGGCT GGATGATCCT CCAGCGCGG GATCTATGC TGGAGTTCTT CGCCACCCC AACTTGTTTA
      CTGCGGCCGA CCTACTAGGA GGTGCGGCC CTAGAGTACG ACCTCAAGAA GCGGTTGGG TTGAACAAAT
3991 TTGCAGCTTA TAATGGTTAC AAATAAAGCA ATAGCATCAC AAATTCACA AATAAAGCAT TTTTTCAC
      AACGTCGAAT ATTACCAATG TTTATTTCTG TATCGTAGTG TTTAAAGTGT TTATTTCTGTA AAAAAAGTGA
4061 GCATTCTAGT TGTGGTTTGT CCAAACTCAT CAATGTATCT TATCATGTCT GTATACCGTC GACCTCTAGC
      CGTAAGATCA ACACCAACA GGTTCAGTA GTTACATAGA ATAGTACAGA CATATGGCAG CTGGAGATCG
4131 TAGAGCTTGG CGTAATCATG GTCATAGCTG TTTCTCTGTG TTTCTCTGTA TCCGCTCACA ATTCCACACA
      ATCTCGAACC GCATTAGTAC CAGTATCGAC AAAGGACACA CTTTAACAAT AGGCGAGTGT TAAGGTGTGT
4201 ACATACGAGC CGGAAGCATA AAGTGTAAG CCTGGGTGC CTAATGAGTG AGCTAACTCA CATTAATTGC
      TGTATGCTCG GCCTTCGTAT TTCACATTTC GGACCCACG GATTACTCAC TCGATTGAGT GTAATTAAAG
4271 GTTGGCTCA CTGCCCGCTT TCCAGTCGGG AAACCTGTG TGCCAGCTGC ATTAATGAAT CGGCCAACGC
      CAACGCGAGT GACGGCGGAA AGGTCAGCC TTTGGACAGC ACGGTCGACG TAATTACTTA GCGGTTGCG
4341 GCGGGGAGAG GCGGTTTGG TATTGGGCG TCTTCGGCTT CCTCGCTCAC TGACTCGCTG CGTCCGCTG
      CGCCCTCTC CGCCAAACG ATAAACCGG AGAAGCGAA GGAGCGAGT ACTGAGCGAC GCGAGCCAGC
4411 TTCGGCTGCG GCGAGCGGTA TCAGCTCACT CAAAGCGGT AATACGGTTA TCCACAGAAT CAGGGGATAA
      AAGCCGACGC CGCTCGCCAT AGTCGAGTGA GTTTCGCCA TTATGCCAAT AGGTGTCTTA GTCCCTATT
4481 CGCAGGAAAG AACATGTGAG CAAAAGGCC AAGAACCGTA AAAAGGCCG GTTGTGTCG

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FIG. 9F

4551 GCGTCCTTTC TTGTACACTC GTTTTCCGGT CGTTTTCGGG TCCTTGGCAT TTTTCCGGG CAACGACCGC  
 TTTTTCATTA GGCTCCGCC CCCTGACGAG CATACAAAA ATCGACGCTC AAGTCAGAGG TGGCGAAACC  
 4621 AAAAAGGTAT CCGAGGCGGG GGGACTGCTC GTAGTGTTTT TAGCTGCGAG TTCAGTCTCC ACCGCTTGG  
 CGACAGGACT ATAAAGATAC CAGGCGTTTC CCCCTGGAAG CTCCTCTGTC CGCTCTCCTG TTCCGACCCCT  
 4691 GCTGTCTGA TATTTCTATG GTCCGCAAG GTCCGACCTTC GAGGAGCAC GCGAGAGGAC AAGGCTGGGA  
 GCCGCTTACC GGATACCTGT CCGCCTTCT CCGTTCGGGA AGCGTGGCG TTTCTCAATG CTCACGCTGT  
 4761 CGCGAATGG CCTATGGACA GCGGAAAGA GGAAGCCCT TCGCACCGG AAAGATTAC GAGTGGACA  
 AGGTATCTCA GTTCGGTGA GTTCGTTCGC TCCAAGCTGG GCTGTGTGA CGAACCCCG GTTCAGCCCG  
 4831 TCCATAGAGT CAAGCCACAT CCAGCAAGCG AGGTTCGACC CGACACAGT GCTTGGGGG CAAGTCGGG  
 ACCGCTGCG CTTATCCGT AACTATCGTC TTGAGTCCAA CCCGGTAAGA CACGACTTAT CGCCACTGGC  
 4901 TGGCGACGG GAATAGGCCA TTGATAGCAG AACTCAGGT GGGCCATTCT GTGCTGAATA GCGGTGACCG  
 AGCAGCCACT GGTAACAGGA TTAGCAGAGC GAGGTATGTA GCGGTGCTA CAGAGTTCTT GAAAGTGGTG  
 4971 TCGTCGGTGA CCATTGTCT AATCGTCTCG CTCATACAT CCGCCACGAT GTCTCAAGAA CTTACACCAC  
 CCTAACCTAG GCTACACTAG AAGGACAGTA TTTGGTATCT GCGCTCTGCT GAAGCCAGT ACCTTCGGAA  
 5041 GGATGTATGC CGATGTGATC TTCTGTGAT AAACCATAGA CCGGAGACGA CTTCGGTCAA TGGAAAGCCTT  
 AAAGAGTTGG TAGCTCTGA TCCGGCAAC AAACCCCGG TGGTAGCGGT GGTTTTTTTG TTTGCAAGCA  
 5111 TTTCTCAACC ATCGAGAACT AGGCCGTTTG TTTGGTGGG ACCATCGCCA CCAAAAAAC AAACGTTCTG  
 GCAGATTACG CGCAGAAAAA AAGGATCTCA AGAAGTCTT TTGATCTTTT CTACGGGGTC TGACGCTCAG  
 5181 CGTCTAATGC GGTCTTTTT TTCTTAGAGT TCTTCTAGGA AACTAGAAAA GATGCCCCAG ACTGCGAGTC  
 TGGAACGAAA ACTCAGTTA AGGATTTTG GTCATGAGT TATCAAAAA GATCTTCACC TAGATCCTTT  
 5251 ACCTTGCTTT TGAGTGCAAT TCCCTAAAA CAGTACTCA ATAGTTTTT CTAGAAAGTG ATCTAGGAAA  
 TAAATTAATA ATGAAGTTTT AAATCAATCT AAAGTATATA TGAGTAACT TGGTCTGACA GTTACCAATG  
 5321 ATTTAATTTT TACTTCAAAA TTTAGTTAGA TTTTATATAT ACTCATTTGA ACCAGACTGT CAATGGTTAC  
 CTTAATCAGT GAGGCACCTA TCTCAGCGAT CTGTCTATTT CGTTCATCCA TAGTTGCCCT ACTCCCGTC  
 5391 GAATTAGTCA CTCGCTGGAT AGAGTCGCTA GACAGATAAA GCAAGTAGGT ATCAACGGAC TGAGGGGCGAG  
 GTGTAGATAA CTACGATACG GGAGGGCTTA CCATCTGGCC CCAGTGTGC AATGATACCG CGAGACCCAC  
 5461 CACATCTATT GATGCTATGC CCTCCCGAAT GGTAGACCG GGTACAGAC TTACTATGGC GCTCTGGGTG  
 GCTCACCGGC TCCAGATTTA TCAGCAATAA ACCAGCCAGC CGGAAGGCC GAGGCAGAA GTGGTCTGC  
 5531 CGAGTGGCG AGGTCTAAAT AGTCTTATT TTGTCGGTGC GCCTTCCCG CTGCGTCTT CACAGGAGC  
 AACTTTATCC GCCTCCATCC AGTCTATTAA TTGTTGCCG GAAAGTAGAG TAAGTAGTTC GCCAGTTAAT  
 TTGAAATAGG CGGAGGTAGG TCAGATAATT AACACCGGCC CTTCGATCTC ATTATCAAG CGGTCAATTA

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FIG.9G

5601 AGTTTGGCA ACCTTGTTC CATTGCTACA GGCATCGTGG TGTACGGCTC GTCTTTTGGT ATGGCTTCAT  
 TCAAACGGCT TGAACAACG GTAACGATGT CCGTAGCACC ACAGTGGAG CAGCAACCA TACCGAAGTA  
 5671 TCAGCTCCGG TTCCCAACGA TCAAGGGAG TTACATGATC CCCCATGTTG TGCAAAAAAG CGGTTAGCTC  
 AGTCGAGGCC AAGGTTGCT AGTCCGCTC AATGTACTAG GGGGTACAAC ACCGTTTTTC GCCAATCGAG  
 5741 CTTCCGTCCT CCGATCGTTG TCAGAAGTAA GTTGGCCGCA GTGTTATCAC TCATGGTTAT GGCAGCACTG  
 GAAGCCAGGA GGCTAGCAAC AGTCTTCATT CAACCGGCGT CACAATAGTG AGTACCAATA CCGTCGTGAC  
 5811 CATAATTCTC TTAATGTTCAT GGCATCCGTA AGATGCTTTT CTGTGACTGG TGAGTACTCA ACCAAGTCAT  
 GTATTAGAG AATGACAGTA CCGTAGGCAT TCTACGAAA GACACTGACC ACTCATGAGT TGGTTCAGTA  
 5881 TCTGAGAATA GTGTATGCGG CGACCGAGTT GCTCTTGCCC GCGTCAATA CGGGATAATA CCGCGCCACA  
 AGACTCTTAT CACATACGCC GCTGGCTCAA CGAGAACGGG CCGCAGTTAT GCCCTATTAT GCGCGGGTGT  
 5951 TAGCAGAACT TTAAAAGTGC TCATCATTGG AAAAGTTCT TCGGGGGGAA AACTCTCAAG GATCTTACCG  
 ATCGTCTTGA AATTTTCACG AGTAGTAACC TTTTGCAGA AGCCCCGCTT TTGAGAGTTC CTAGAATGGC  
 6021 CTGTTGAGAT CCAGTTCGAT GTAAACCCAT CGTGCAACCA ACATGATCTTC AGCATCTTTT ACTTTTCAACA  
 GACAACTCTA GGTCAAGCTA CATTGGGTGA GCACGTGGGT TGACTAGAAG TCGTAGAATA TGAAGTGGT  
 6091 GCGTTTCTGG GTGAGCAAAA ACAGGAAGGC AAAATGCCG AAAAAAGGA ATAGGGCGA CACGGAAATG  
 CGCAAAGACC CACTCGTTTT TGTCCTTCCG TTTTACGGCG TTTTTCCTT TATTCCTGCT GTGCCCTTAC  
 6161 TTGAATACTC ATACTCTTC TTTTTCATAA TTATTGAAGC ATTTATCAGG GTTATTGTCT CATGAGCGGA  
 AACTTATGAG TATGAGAAGG AAAAAATTAT AATAACTTCG TAAATAGTCC CAATAACAGA GTACTCGCT  
 6231 TACATAATTG AATGTATTTA GAAAAATAA CAAATAGGGG TTCCGCGCAC ATTTCCCGCA AAAGTGCCAC  
 ATGTATAAAC TTACATAAAT CTTTTTATTT GTTTATCCCC AAGCGCGGTG TAAAGGGGCT TTTACCGGTG  
 6301 CTGACGTC  
 GACTGCAG

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